

Lockheed Martin IS&GS – Civil
Energy & Environment
ESAT Region 3
US EPA Environmental Science Center
701 Mapes Road Ft. Meade, MD 20755-5350
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March 30, 2012

Ms. Colleen Walling
ESAT Region 3 Project Officer
U.S. EPA Region III
OASQA
701 Mapes Road
Environmental Science Center
Ft. Meade, MD 20755-5350

Dear Colleen:

Enclosed please find the weekly progress report detailing Region III ESAT activities for the period March 19 through March 25, 2012 for contract EP-W-06-016. The weekly progress report is comprised of Weekly Task Order Highlights and Task Order/Sub-Task Tables. All information compiled in the Task Order tables is cumulative for the current month. I trust this progress report meets your needs. Should you have questions or comments, please do not hesitate to call me.

Sincerely,

Ex. 4 - CBI

ESAT Region 3 Program Manager

Enclosures

Weekly Highlights (March 19 through March 25, 2012)

Management

The ESAT PM met with the ESAT PO to discuss current tasks and financial status of all task orders. All tasks are proceeding on schedule. We continue to provide the ESAT PO a weekly ad-hoc data validation status and CEAT audit back-log reports.

ESAT staff member **Ex. 4 - CBI** resigned from Lockheed Martin effective February 19, 2012. He accepted a position with EPA in Region I. The ESAT PM is currently interviewing candidates to fill the vacant position.

Task Order 0041, Analytical and Laboratory Support

TDF 02081 – Provide Sample Log-in and Other Ancillary Tasks in Support for the Dimock Residential Groundwater Site (Fast Turnaround Time Analyses), assigned 2/15/12, due 9/30/12 – ESAT was assigned the task of performing sample log-in, sample processing support, and ancillary tasks (e.g., glassware washing, reagent prep, etc.) to support the analytical tasks for this Superfund site. In addition, ESAT may be required to provide sample preparation support. ESAT will be notified if this latter support is needed. Glassware washing activities were conducted this week.

TDF 03037 – March 20, 2012, ESAT laboratory personnel attended the EPA Laboratory Ethics training held in the main conference room. The presentation, Laboratory Ethics: An Auditor's Perspective, was conducted by **Ex. 4 - CBI** of Environmental Laboratory Solutions, LLC.

March 20, 2012, ESAT's PM **Ex. 4 - CBI** QA/QC Coordinator **Ex. 4 - CBI** Analytical Group Leader **Ex. 4 - CBI** and Chemist **Ex. 4 - CBI** attended the EPA/ESAT Technical Meeting held in Room A215. Topics of discussion included new ELEMENT codes and qualifiers, SOPs due for review and the current status of the new Ion Chromatograph instrument.

ESAT Chemist **Ex. 4 - CBI** observed some anomalies on the Agilent GC/MS located in Room H207 this week. A successful tune was unable to be obtained and there appeared to be moisture in the system. **Ex. 4 - CBI** notified EPA WAM **Ex. 4 - CBI** of the problem and Full Spectrum service has been contacted. No impact on the timeliness of data deliverables relative to air analyses and this instrument were noted during this time.

The Entech component of the Agilent GC/MS located in Room H202 requires a replacement part for one of the traps. A request for this part has been submitted to WAM Sue Warner. The instrument is currently inoperable. No impact on the timeliness of deliverables is noted at this time.

The heater exhaust vent was replaced on Glassware Drying Oven 1 located in Room G203 this week. Following this service, several unsuccessful overnight attempts were made to fire glassware using this unit. ESAT Chemist **Ex. 4 - CBI** **Ex. 4 - CBI** observed that the oven is not reaching the specified 820F temperature; therefore, the 8-hour timer is not being initiated. Several troubleshooting exercises are planned for next week. No impact on the timeliness of glassware washing is noted at this time.

Task Order 0042, Data Validation and Quality Assurance Support

TDF 03038 – March 20, 2012, ESAT data validation and RSCC personnel attended the EPA Laboratory Ethics training held in the main conference room. The presentation, Laboratory Ethics: An Auditor's Perspective, was conducted by **Ex. 4 - CBI** of Environmental Laboratory Solutions, LLC.

Task Order 0044, Non-PM2.5 Performance Evaluation Program Field Support

TDF 02118 – March 19 through March 21, 2012, ESAT field auditors **Ex. 4 - CBI** and **Ex. 4 - CBI** attended the EPA Through-the-Probe (TTP) certification/re-certification at the EPA facilities in RTP, NC. This training was hosted by the EPA TTP program lead **Ex. 4 - CBI**. Both field auditors participated in hands on training modules pertaining to both non-trace level O3, CO, SO2 and NO2 as well as trace level CO and SO2 audit procedures. In addition, the new method pertaining to prospective trace level NO2/NOy audits was also discussed. **Ex. 4 - CBI** completed the TTP written examinations. A passing score of 90% or higher had to be achieved to fulfill requirements of the TTP certification/re-certification. TTP certificates are currently pending.

March 19 through March 25, 2012

Task Order 0041
Task 1 - Analytical and Laboratory Support - Site Specific

WO#	TDF	Site / Request #	Samples / Matrix	Assigned	Due	Submitted	Accepted	Status
1202010	02119	Non Responsive	16 Air, TO-15	2/27/12	P1: 3/19/12 P2: 3/23/12 P3: 3/29/12 P4: 4/4/12 F: 4/9/12	P1: 3/19/12 P2: 3/22/12 P3: Pending P4: F:		Four samples were received 2/27/12. Additional samples were received 3/2/12 (4), 3/8/12 (4) and 3/14/12 (4). Sample analyses are currently in progress.
1203005	03021		15 Air, TO-15	3/12/12	4/6/12	Pending		Nine samples were received 3/9/12. An additional six samples were received 3/13/12. Sample analyses are currently pending.
1203007	03030		4 Air, TO-15	3/15/12	4/19/12	Pending		Four samples were received 3/15/12. Sample analyses are currently pending.
1203010	03048		2 Air, TO-15	3/23/12	P: 4/16/12 F: 4/18/12	P: Pending F:		Two samples were received 3/26/12. Sample analyses are currently pending.

P = Preliminary report, F = Final report

Task Orders 0036 & 0041
Analytical and Laboratory Support – Non-Site Specific

Task	Description	Activity		
2	Instrument Maintenance	See Weekly Highlights above for comments relative to the Agilent GC/MS instruments located in Rooms H202 and H207. All additional instruments were fully functional.		
3	Sample Custody	New Requests	<div>Non Responsive</div>	
		Canister Deliveries		
		ESAT Sample Receipt		
		EPA Sample Receipt		No EPA Superfund samples were received by ESAT this week.
		Report Consolidation		No final reports were consolidated this week.
4	Glassware Cleaning and Lab Cleanliness	Both glassware washing units and Oven II were fully functional. See weekly highlights above for comments relative to Oven I.		
5	Reagents and Supplies	The weekly chemical inventory was completed 3/23/12, and the report was submitted to the PO.		
6	Lab Safety	None		
7	Review SOPs and Guidance Documents	ESAT is reviewing SOP R3QA051-011812, Sample Receipt, Log-In, Chain of Custody, and Disposal Procedures.		

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Task Orders 0036 & 0041
Analytical and Laboratory Support – Non-Site Specific

Task	Description	Activity
8	New Capabilities/Method Development	<div>TO 0036 / TDF 03061, TO-15 Pilot Study – Draft/Verbal Technical Direction, Assigned 3/17/11, Various Interim Due Dates (Final Report Due 6/30/11) – As a result of the TO-15 Pilot Study Conference Call held 3/14/11, ESAT was assigned to complete the tasks listed below, which have been completed:</div> <div><div><div></div><div>Prepare a set of test bottles (1 under vacuum and 1 without vacuum) and a micro vacuum gauge with one connector for field samplers to utilize / test sample collection procedures for the Air Pilot Study by the end of the week. Sample containers shall be shipped in a shipping case.</div></div><div><div></div><div>Field Sampler will test on Friday and provide feedback / results of testing bottles.</div></div><div><div></div><div>Check with Entech to determine how existing sampling line would connect to the bottles for field sampling.</div></div><div><div></div><div>Prepare canisters (1 per location / sample station) and sample bottles (2 per station location / sample station). In addition, include a return shipping label/UPS air bill to be sent to the field samplers for sampling the first full week of April (4/4/11 thru 4/8/11) for the April sampling. Two stations were selected at the North Penn Area 6 site for the air pilot study: WSINFA and WSCARBA.</div></div></div> <div>Non Responsive</div>
9	Quality Assurance Compliance and Documentation	No documents were received by ESAT for login this week.

Task Order 0042, Task 1 - Review and Validate Organic Data
Level of Review: M1

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
02110	Non Responsive	42181	20 S	Aroclors	2/24/12	3/16/12	3/16/12	3/16/12	3/21/12	Complete
02111		42181	20 S	Aroclors	2/24/12	3/16/12	3/16/12	3/16/12	3/21/12	Complete
02123		42161	2 S	Full Organics + GRO	2/29/12	3/12/12	3/9/12	3/12/12	3/12/12	Complete
03004		42160	4 W	Full Organics + GRO	3/2/12	3/19/12	3/19/12	3/21/12	3/22/12	Complete
03009		42109	1 W	VOA + Mod.	3/5/12	3/21/12	3/20/12	3/21/12	3/22/12	Complete
03015		42222	6 W	VOA + SIM + 1,4-Dioxane as SV	3/8/12	3/21/12	3/12/12	3/12/12	3/13/12	Complete
03016		42159	5 W	TVOA/VOA	3/9/12	3/23/12	3/22/12	3/23/12		Complete

Task Order 0042, Task 1 - Review and Validate Organic Data
Level of Review: M2

TDF	Site Name	Case	Samples Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
03003	Non Responsive	42179	12 W	TVOA	3/1/12	3/19/12	3/19/12	3/21/12	3/22/12	Complete

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Task Order 0042, Task 1 - Review and Validate Organic Data
Level of Review: M2

TDF	Site Name	Case	Samples Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
03010	Non Responsive	R33897	9 Air	TO-15	3/6/12	3/22/12	3/21/12	3/21/12	3/22/12	Complete
03011		R33897	16 Air	TO-15	3/6/12	3/22/12	3/21/12	3/21/12	3/22/12	Complete
03012		42221	2 S	TCLP VOA	3/6/12	3/23/12	3/21/12	3/21/12	3/22/12	Complete
03018		42174	2 W	TCLP VOA	3/9/12	3/23/12	3/22/12	3/23/12	Pending	Distribution of the DV report is pending.
03019		42151	14 W	TVOA + SIM	3/9/12	3/23/12	3/22/12	3/23/12	Pending	Distribution of the DV report is pending.
03022		41932	19 W	VOA + 1,4-Dioxane as SV	3/13/12	3/26/12				In progress
03023		41932	20 W	VOA + 1,4-Dioxane as SV	3/13/12	3/26/12				In progress
03031		42180	4 W	TVOA	3/16/12	3/29/12				Not initiated
03032		42180	20 W	TVOA	3/16/12	3/30/12				Not initiated
03034		42152	6 W	TVOA	3/19/12	3/30/12				Not initiated
03039		42147	8 W	VOA/SV	3/22/12	3/30/12				Not initiated
03040		42147	18 S	VOA/SV	3/22/12	4/2/12				Not initiated
03044		42050	9 W	VOA/SV	3/23/12	4/3/12				Not initiated

Task Order 0042, Task 1 - Review and Validate Organic Data
Level of Review: M3

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
02095	Non Responsive	41975	18 W, 17 S	VOA	2/23/12	3/14/12	3/15/12	3/16/12	3/21/12	Complete
02121		41975	19 S	SV/Aroclors	2/28/12	3/16/12	3/16/12	3/19/12	3/21/12	Complete
03001		42078	2 W, 1 S	TCLP Organics	3/1/12	3/16/12	3/16/12	3/16/12	3/21/12	Complete
03005		41975	10 W	VOA/SV	3/2/12	3/20/12	3/20/12	3/21/12	3/22/12	Complete
03045		42104	3 W	Dioxins/Furans	3/23/12	4/5/12				Not initiated

Task Order 0042, Task 1 - Review and Validate Inorganic Data
Level of Review: IM1

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
03017	Non Responsive	42132	3 W	TM	3/9/12	3/22/12	3/21/12	3/23/12	Pending	Distribution of the DV report is pending.
03024		42222	5 W	TM	3/13/12	3/27/12				In progress

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Task Order 0042, Task 1 - Review and Validate Inorganic Data
Level of Review: IM1

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
03025	Non Responsive	41932	6 W	TM	3/15/12	3/27/12				In progress
03026		41932	15 W	TM	3/15/12	3/28/12				Not initiated
03027		41932	20 W	Ca, Mg + Hardness	3/15/12	3/27/12				Not initiated
03028		41932	15 W	Ca, Mg + Hardness	3/15/12	3/28/12				Not initiated
03029		41932	20 W	TM	3/15/12	3/28/12				Not initiated
03041		R33888	6 W	Nitrate/Nitrite	3/23/12	4/2/12				Not initiated
03042		42050	22 W	TM	3/23/12	4/3/12				Not initiated

Task Order 0042, Task 1 - Review and Validate Inorganic Data
Level of Review: IM2

TDF	Site Name	Case	Samples/ Matrix	Analysis	Assigned	Due	Submitted	Accepted	Report Sent	Status/Comment
03002	Non Responsive	42078	1 S	TCLP Metals	3/1/12	3/19/12	3/19/12	3/19/12	3/21/12	Complete
03006		41975	9 W	TM + Mod.	3/2/12	3/20/12	3/20/12	3/21/12	3/22/12	Complete
03007		41975	2 W, 19 S	TM + Mod.	3/2/12	3/20/12	3/21/12	3/23/12		Complete
03020		42151	14 W	TM	3/12/12	3/23/12	3/22/12	3/23/12		Complete
03033		42152	8 W	DM/CN	3/19/12	3/30/12				Not initiated

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Task Order 0042, Regional Sample Control Center							
Task	Description	Period Covering					Comments
2	Data Tracking	3/19-3/25/12					
	RAS requests received	6					
	DAS requests received	7					
	Estimated number of samples booked	1,055					
	Data Package Status Report	1					
2	Document Control						
	Samples audited	91					
	SDGs received	19					
	SDGs audited (with billable units)	11					
	SDGs: RAS - Unvalidated electronic files forwarded	0					
	SDGs awaiting audit	31					
	COC received	44					
	Validation reports transmitted	20					
	Audit responses	2					
	Lab responses	0					
	Memos to file	0					
4	Archived	0					

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Task Order 0043, PM2.5 Performance Evaluation Program (PEP) Field Support

TDF	Sites		Site Visit			Trip Report		Comments
		Set-Up	Audit Run Day	Take-Down	Returned to ESC	Due	Completed	
02117	Non Responsive	Pending	Pending	Pending	Pending	Pending	Pending	An ESAT field auditor contacted the Allegheny County Health Department monitoring agency to discuss audit logistics and meeting times. Also, field documentation (e.g.; field data sheets and chains of custody) were prepared for these audit events.

Task Order 0043, PM2.5 Performance Evaluation Program (PEP) Field Support
Tasks - Non-Site Specific

Task	Description	Activity/Comments
1	Develop Site Sampling Schedule	None
2	Field Support	On 3/23/12, ESAT logged in nine (9) PM2.5 filters received from the Region 4 weighing laboratory in Athens, GA.
3	QA/QC Support	None
4	Maintenance & repair of vehicle	On 3/23/12, ESAT rented a field vehicle from the vendor Ryder.
	Maintenance & repair of sampling equipment	On 3/7/12, BGI unit with serial number 447 was packaged and shipped to vendor BGI for repairs. This unit has been shutting down and has not been switching to battery backup when AC power is lost. Return of the unit is pending.
5	Training	None
6	Monitoring Site Reconnaissance	None

Task Order 0044, Non-PM2.5 Performance Evaluation Program Field Support

TDF	Site	Parameters	Site Visit			Trip Report		Comments
			Conditioning & Warm Up	Audit Performed	Returned to ESC	Due	Completed	
No Through-the-Probe (TTP) audits are scheduled for March, 2012.								

Task Order 0044, Non-PM2.5 Performance Evaluation Program Field Support
Tasks - Non-Site Specific

Task	Description	Activity/Comments
2	Field Implementation Support	No TTP audits are scheduled for March 2012. Planning for the 2012 calendar year is currently underway.
3	QA/QC Support	None
5	Maintenance & repair of vehicle	On 3/23/12, ESAT rented a field vehicle from the vendor Ryder.

March 19 through March 25, 2012

Task Order 0044, Non-PM2.5 Performance Evaluation Program Field Support
Tasks - Non-Site Specific

Task	Description	Activity/Comments
	Maintenance & repair of sampling equipment	None
6	Training	TDF 02118- On 3/19/12 through 3/21/12, ESAT field auditors, Ex. 4 - CBI ended the EPA Through-the-Probe (TTP) certification/re-certification at the EPA facilities in RTP, NC. This training was hosted by the EPA TTP program lead Mark Shanis. Both field auditors participated in hands on training modules pertaining to both non-trace level O3, CO, SO2 and NO2 as well as trace level CO and SO2 audit procedures. In addition, the new method pertaining to prospective trace level NO2/NOy audits was also discussed. Ex. 4 - CBI eted the TTP written examinations. A passing score of 90% or higher had to be achieved to fulfill requirements of the TTP certification/re-certification. TTP certificates are currently pending.